
Julie A. Christodoulou, Ph.D.



**Director of the Naval Materials Division, Sea Warfare and Weapons Department
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Dr. Julie Christodoulou is Director of the Naval Materials Division in the Sea Warfare and Weapons Department of the Office of Naval Research (ONR) in Arlington, Virginia. She serves as the senior focal point within the ONR for the physical sciences, materials and processing, and environmental quality that enable enhanced performance, affordability and reliability for future and legacy Navy and Marine Corps systems and platforms. Dr. Christodoulou oversees research and development of functional and structural materials and processing from the atomic and molecular level to engineered structural materials systems best measured in centimeters, as well as the development of computational and experimental tools and protocols to quantify chemical and physical phenomena, accelerate materials implementation, and predict performance. She entered the Senior Executive Service in June 2007, having spent 10 years supporting the naval science and technology community in various commands as a civil servant since 1992.

Trained as a physical metallurgist, Dr. Christodoulou holds a bachelor's of science from the University of Texas at El Paso, an master's of science from the Johns Hopkins University, and earned her doctorate in materials science at Imperial College, London. After four years as a research associate for Martin Marietta Laboratories, she joined the Naval Research Laboratory in 1992 where she conducted failure analyses and provided technical support to the naval aviation community. In concert with her studies at Imperial College, Dr. Christodoulou served a four-year part-time appointment as Associate Director for Metallics at the ONR International Field Office, a technical liaison duty. Upon returning to the U.S., she divided her efforts between ONR and the Naval Surface Warfare Center, Carderock Division before joining ONR full-time in 2002 to manage the Structural Metals program. In June 2007, she accepted the role of Division Director. She has been recognized with three Exceptional Performance Awards and two Certificates of Commendation during her tenure with the Department of the Navy. She has been a recipient of the University of Texas Women of Mines Award and several scholarships.

Professionally active, Dr. Christodoulou leads the Department of Defense-wide Technical Focus Team for Materials and Processes and is the National Leader for Metals and Ceramics for The Technical Collaboration Program, an international collaboration body for defense research and engineering programs. She is a member of the Materials Research Society (MRS); ASM International; and The Minerals, Metals and Materials Society (TMS), for which she serves as Vice-Chair of the Titanium Committee and a member of the Technical Action Group for Integrated Computational Materials Engineering.